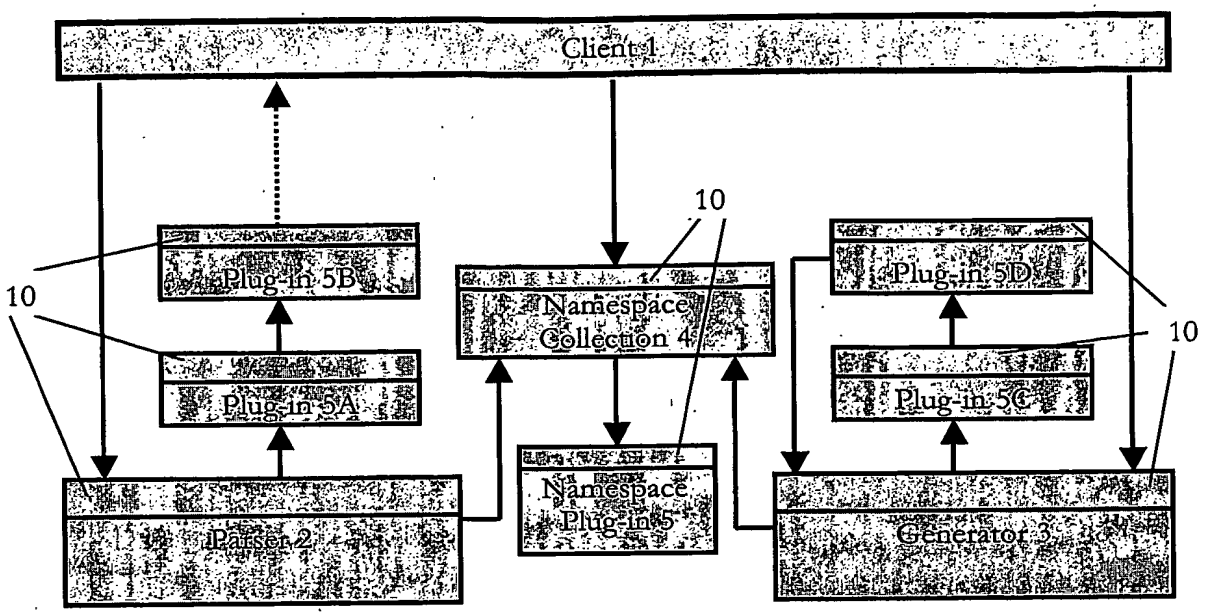

Figure 1

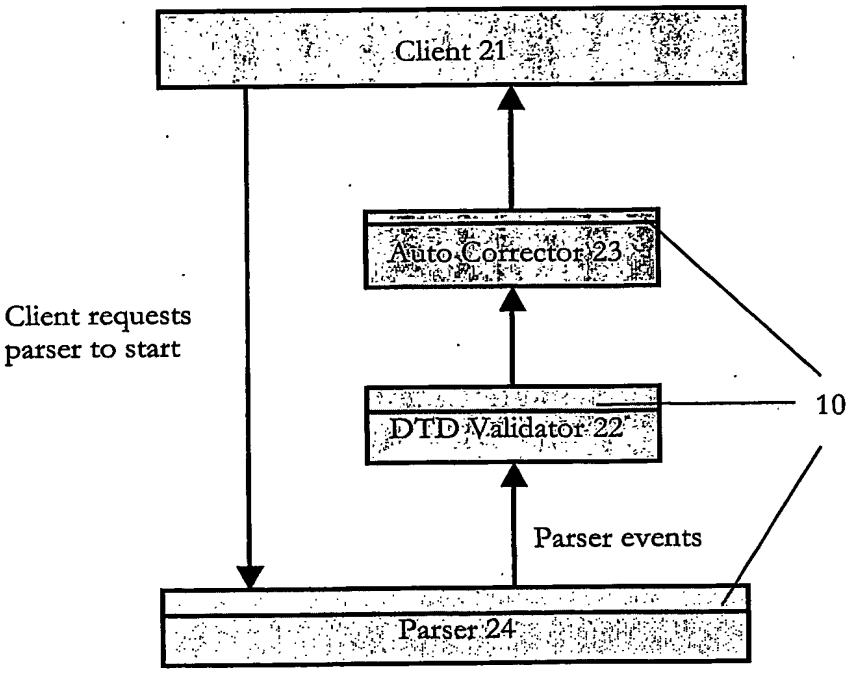

Figure 2

2/7

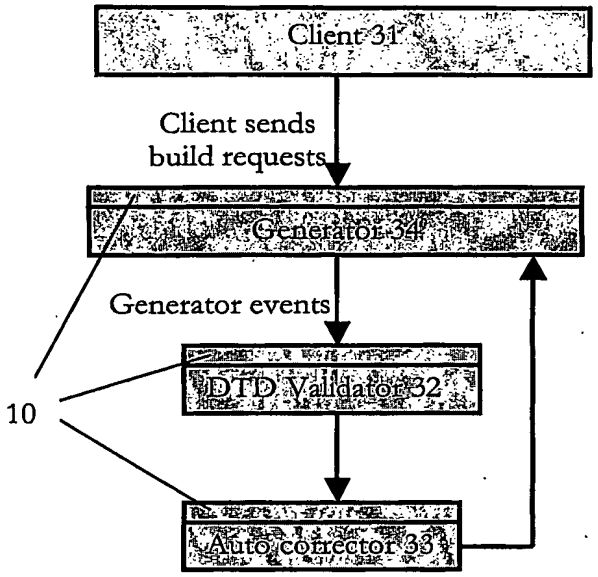
Client 31
Client sends build requests
Generator 34
Generator events
DTD Validator 32
10
Auto corrector 33

Figure 3

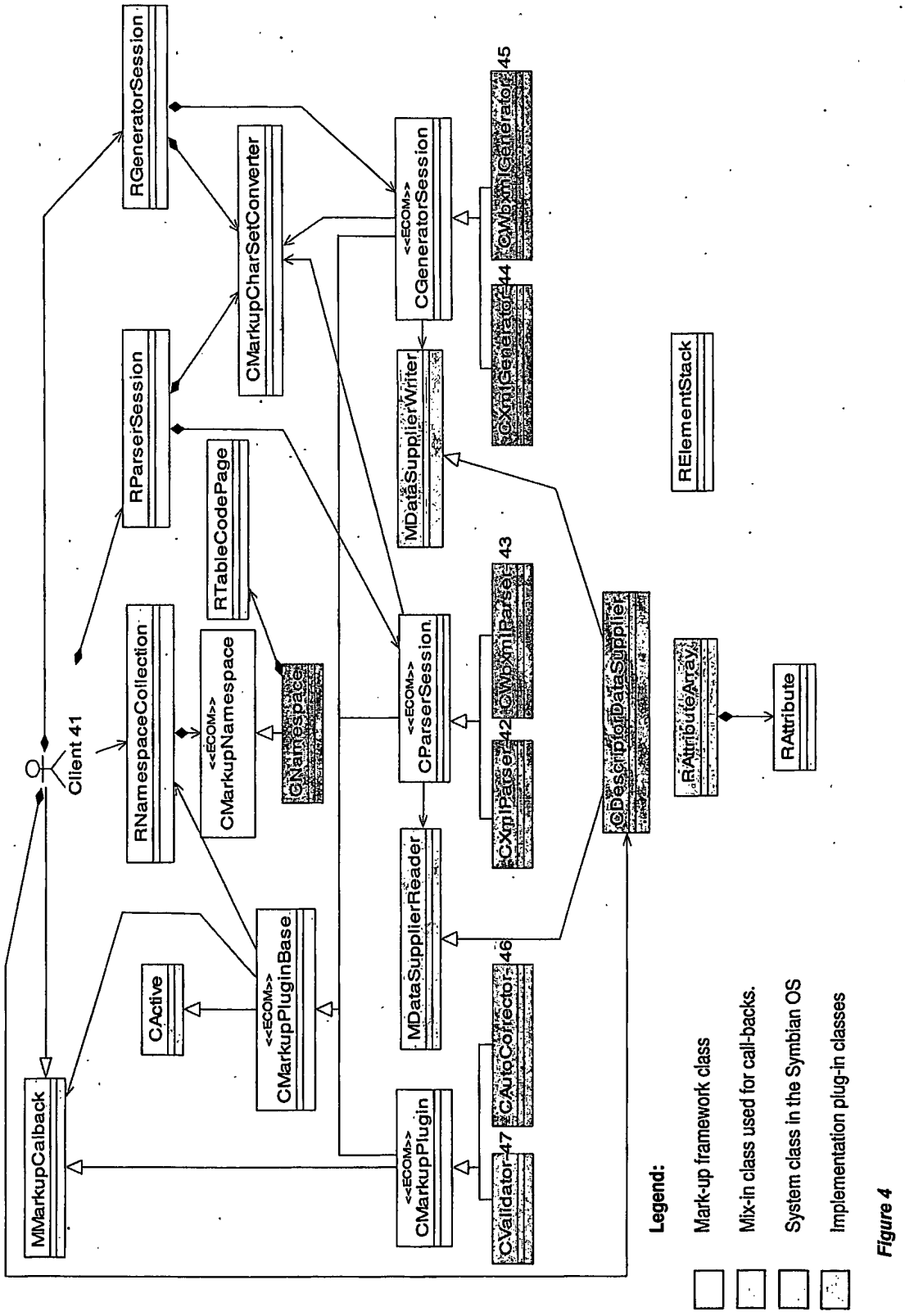
RGeneratorSession
CMarkupCharSetConverter
<<ECOM>>
CGeneratorSession
CXmlGenerator 45
CXmlGenerator 44
RParserSession
MDataSupplierWriter
RElementStack
RTableCodePage
RNamespaceCollection
<<ECOM>>
CMarkupNamespace
CNamespace
<<ECOM>>
CParserSession
CXmlParser 43
CXmlParser 42
CDescriptorDataSupplier
Client 41
MDataSupplierReader
RAttributeArray
RAttribute
CActive
<<ECOM>>
CMarkupPluginBase
CAutoCorrector 46
MMarkupCallback
<<ECOM>>
CMarkupPlugin
CValidator 47
Legend:
Mark-up framework class
Mix-in class used for call-backs.
System class in the Symbian OS
Implementation plug-in classes

Figure 4

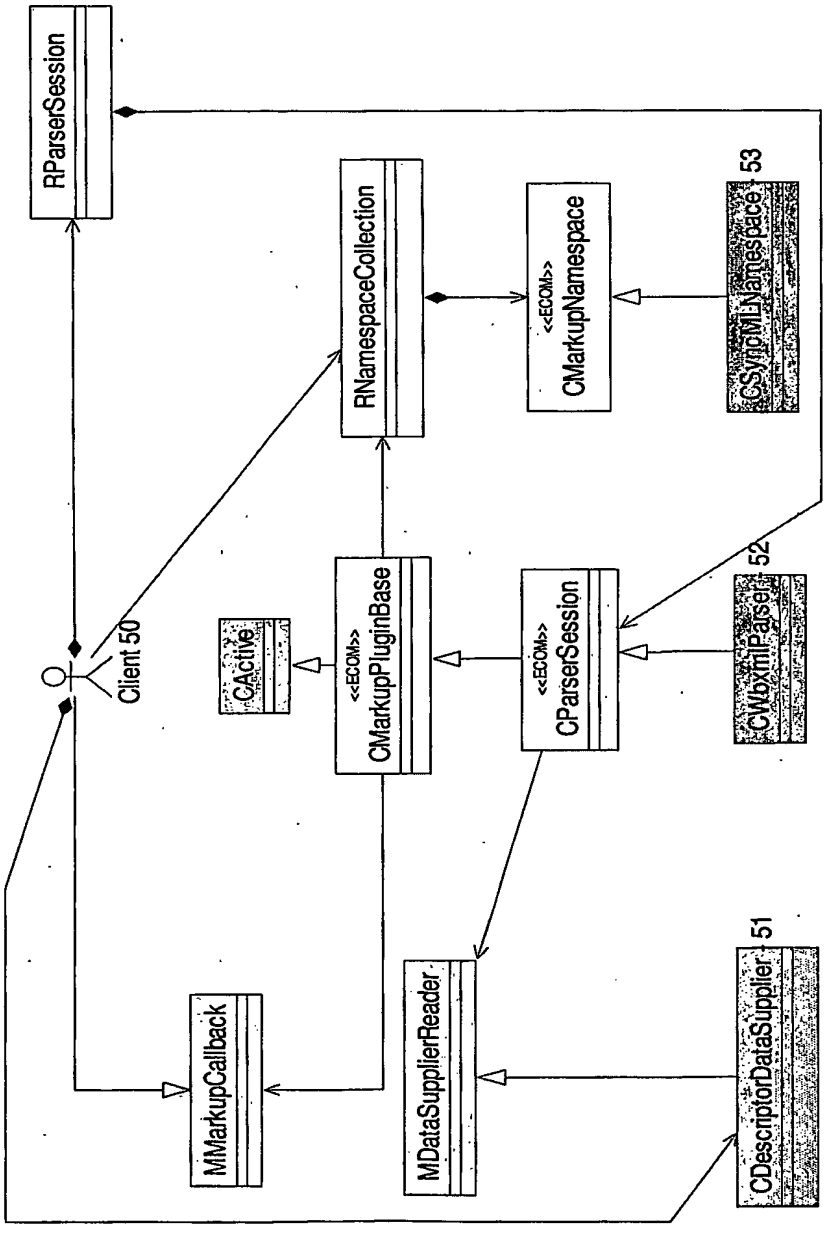
RParserSession
RNamespaceCollection
<<ECOM>>
CMarkupNamespace
CSyncMLNamespace
53
Client 50
CActive
<<ECOM>>
CMarkupPluginBase
<<ECOM>>
CParserSession
CWbxmlParser
52
MMarkupCallback
MDataSupplierReader
CDescriptorDataSupplier
51

Figure 5

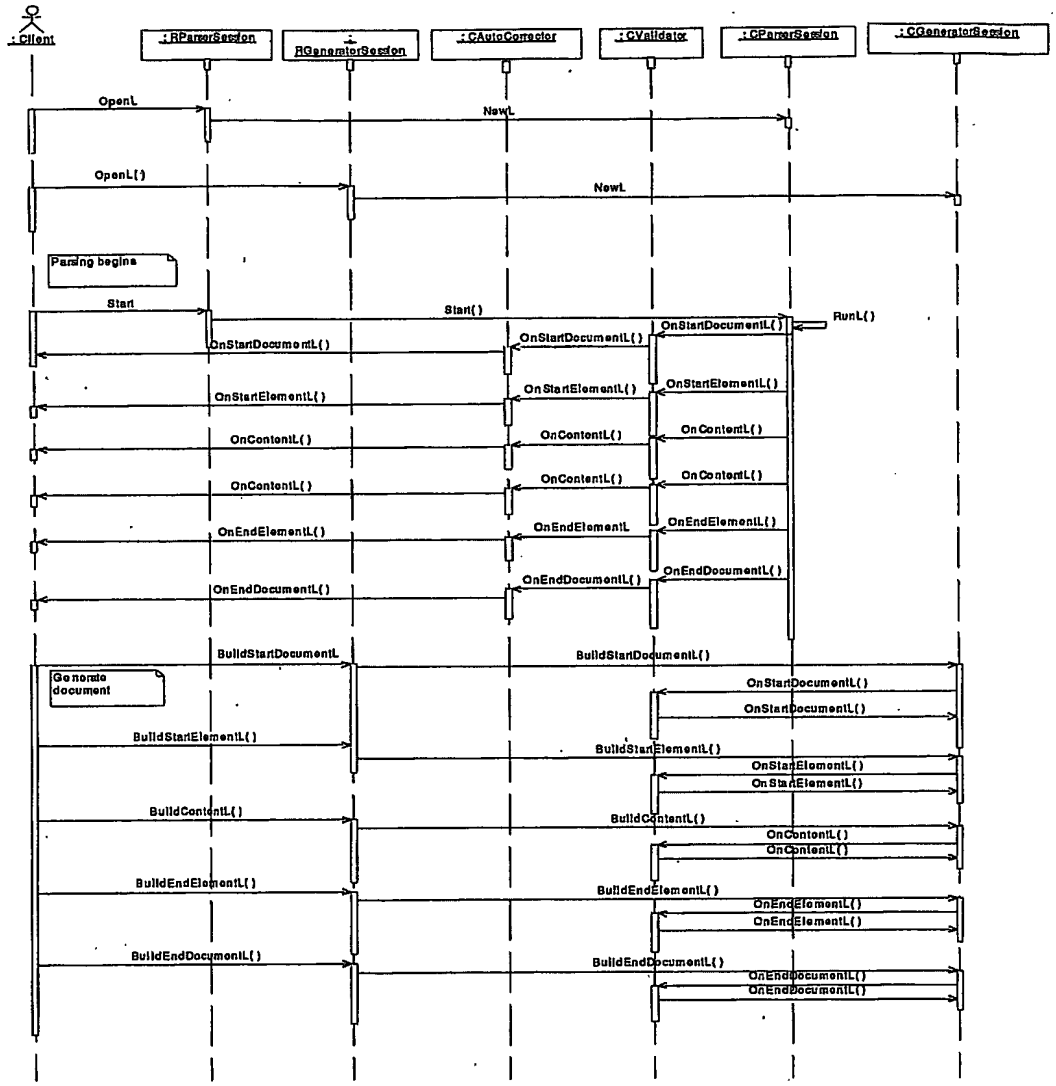
:Client
:RParserSession
:RGeneratorSession
:CAutoCorrector
:CValidator
:CParserSession
:CGeneratorSession
OpenL
NewL
OpenL()
NewL
Parsing begins
Start
Start()
RunL()
OnStartDocumentL()
OnStartElementL()
OnContentL()
OnEndElementL()
OnEndDocumentL()
BuildStartDocumentL
BuildStartDocumentL()
Generate document
BuildStartElementL()
BuildContentL()
BuildEndElementL()
BuildEndDocumentL()

FIGURE 6

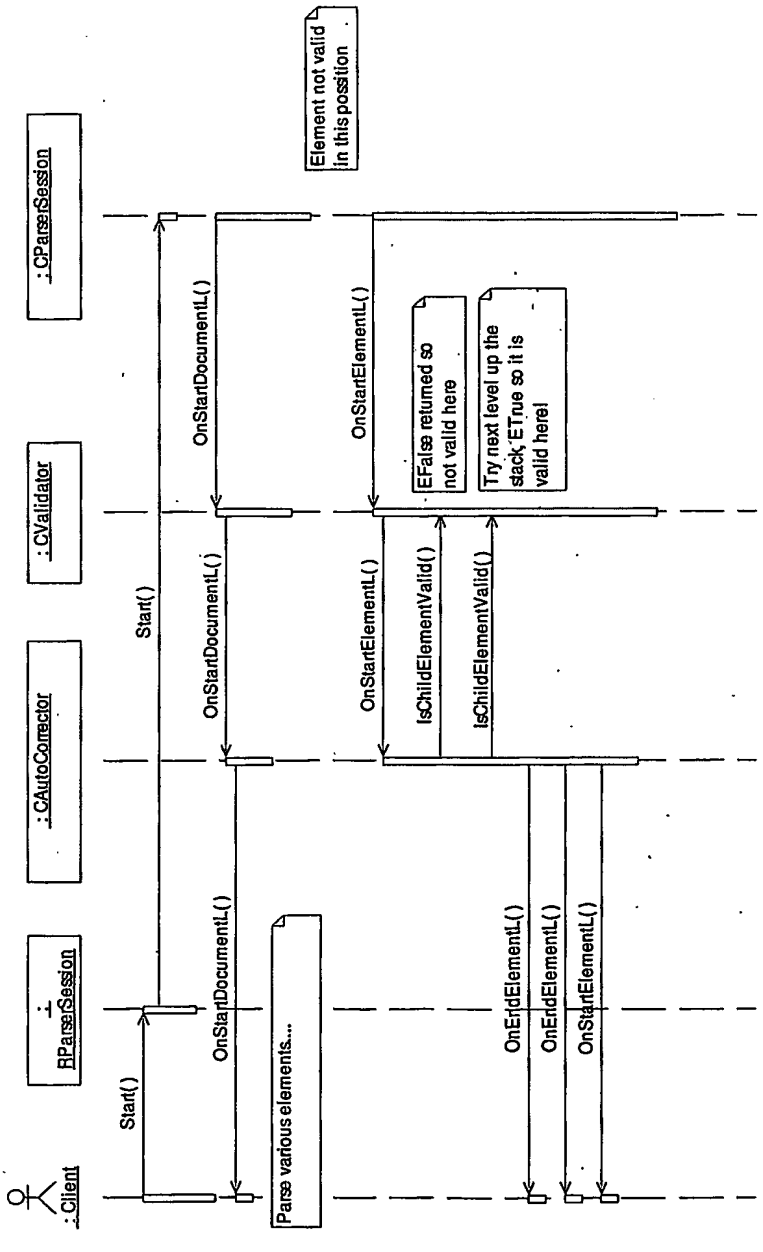
:Client
:RParserSession
:CAutoCorrector
:CValidator
:CParserSession
Start()
Start()
OnStartDocumentL()
OnStartDocumentL()
OnStartDocumentL()
Parse various elements...
OnStartElementL()
OnStartElementL()
Element not valid in this possition
EFalse returned so not valid here
IsChildElementValid()
Try next level up the stack, ETrue so it is valid here!
IsChildElementValid()
OnEndElementL()
OnEndElementL()
OnStartElementL()

Figure 7

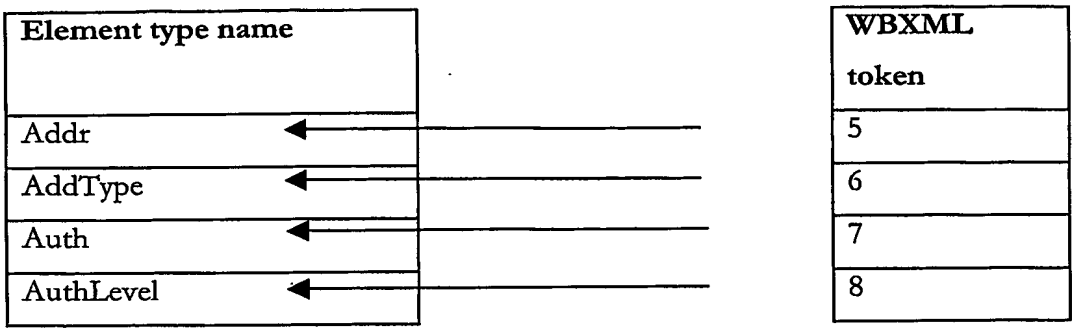
Element type name
Addr
AddType
Auth
AuthLevel
WBXML token
5
6
7
8

Figure 8